

ARGACEM ULTRAFINE

Smoothing breathable skim coat for perfectly smooth surface

Extra fine finish (grain size 0 - 0,1 mm / 0 – 0.0039 in) specific to obtain perfectly smooth white surface. The product, based on hydrated lime, micro crystalline sands, marble powders and specific additives, has high workability during drafting and toweling, thus ensuring a pleasant appearance. *Argacem Ultrafine* has high breathability and excellent water vapor permeability, the use of natural raw materials ensures the execution of high quality smoothing with an excellent level of finish.

BENEFITS

- Excellent breathability and workability.
- Good aesthetic effect.
- Versatility of use.
- Realizes perfectly smooth white surfaces.
- Prevents mold formation due to the antibacterial function of lime.
- Natural raw materials.
- Easy to apply.

YIELD

1,0 – 1,5 kg/m² (0.21 – 0.31 lb/ft²).

COLOR

White.

PACKAGING

25 kg (55.16 lb) paper bag.

Pallet: 60 bags (1500 kg – 3306.93 lb).

APPLICATION FIELDS

Finishing skim coat for interiors particularly suitable where you want to obtain an extra-fine finish that creates white specular surface. The product is used in combination with *Argacem HP*, *Argatherm* or *Argacem CP* smoothers to obtain a perfectly smooth surface on substrates such as *Diathonite* line plasters; *WATstop* waterproofing membrane (see technical data sheet); new and old plasters; walls and ceilings; cement-based or lime-based substrates; prefabricated concrete panels.

The high breathability combined with the antibacterial properties of hydrated lime help to create a healthy environment and a high living comfort.

STORAGE

Store the product in its original containers in covered, dry areas, away from sunlight, water and frost, at temperatures between + 5°C (+41°F) and + 35°C (+95°F).

Storage time: 12 months.



Diasen srl

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EN 998-1:2010

Specifications for mortars for masonry - Part 1: Mortar for internal and external plaster

Compressive strength:	≥ 3,50 N/mm ² (CS III Category)
Fire reaction:	A1 class
Adhesion:	≥ 0,50 N/mm ²
Capillary water absorption:	≤ 1,90 kg/m ² min ^{0,5} (W0 category)
Vapour permeability coefficient:	μ=8
Durability (freeze- thaw):	evaluation based on valid arrangements where the mortar will be used.



For application video, product page, safety data sheet and other information.

Smoothers - mortars

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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Technical data

Features		Unit
Yield	1.0 – 1.5	kg/m ²
	0.21 – 0.31	lb/ft ²
Aspect	premixed powder	-
Color	white	-
Density	950 ± 10%	kg/m ³
	59.31 ± 10%	lb/ft ³
Grain size	0 – 0,1	mm
	0 – 0.0039	in
Mixing water	0.40 – 0.45 l/kg 0.048 – 0.054 gal U.S./lb 10 - 11 l (2.64 – 2.91 gal U.S.) per each bag (25 kg – 55.16 lb)	l/kg gal U.S./lb
Minimum thickness	0.5 (0.020)	mm (in)
Maximum thickness per layer	1.0 (0.039)	
Maximum total thickness	2.0 (0.079)	
Application temperature	+5 /+35	°C
	+41 / +95	°F
Time of rest of the dough	5	min
Start time taken	60	minutes
Drying time (T = 23 °C/73°F C, U.R. 50%)	5 - 7	days
Storage	12	months
Package	25 kg paper bag	kg
	55.16 lb paper bag	lb

Final performances		Unit	Regulation	Result
Water vapor coefficient	μ = 8	-	EN 1015-19	-
Fire reaction	A1 class	-	EN 13501-1	-
Average compressive strength at 28 days	≥ 3,50	N/mm ²	EN 1015-11	CS III category
Average flexural strength at 28 days	≥ 1,00	N/mm ²	EN 1015-11	-
Average resistance to adhesion at 28 days on concrete (f _u)	≥ 0,50	N/mm ²	EN 1015-12	typo B breaking
Water absorption coefficient by capillarity (C _m)	≤ 1,90	kg/m ² min ^{0.5}	EN 1015 - 18	W0 category
Apparent density of fresh mortar	1640 ± 15%	kg/m ³	-	-
Apparent density of hardened mortar	1250 ± 15%	kg/m ³	-	-

* The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.

Smoothers - mortars

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PREPARATION OF SUPPORT

The substrate must be perfectly hardened (correct seasoning), compact, rough enough with sufficient strength. The surface must be thoroughly clean, well consolidated and without debris or detaching parts or other materials that may affect the adhesion of the product.

Argacem HP, Argatherm and Argacem CP smoothers

Primer is not needed, the application can directly be performed on the substrate after drying time of the chosen skim coat.

MIXING

According to the water absorption degree of the support and to environmental conditions, it is recommended to choose the amount of water necessary to obtain the correct adhesion. The specified water amount is indicative.

Add about 40 - 45% of clean water, about 10 – 11 liters (2.64 – 2.91 gal U.S.) per bag of *Argacem Ultrafine* (25 kg – 55.16 lb). Mix with drill mixer until the product is homogeneous, without clumps and well hydrated.

It is recommended to let the product rest for 5 minutes, then mix it again and use it.

Do not add other substances to the mixture.

APPLICATION ON DIATHONITE LINE PLASTERS

1. Apply a coat of *Argacem HP*, *Argatherm* or *Argacem CP* smoother to eliminate irregularities and discontinuities of the substrate (see technical data sheets).
2. When the surface of the used smoother is superficially dry (after about 24 hours at +23°C / +73°F and 50% of relative humidity), apply a coat of *Argacem Ultrafine* smoother with smooth stainless steel trowel with rounded edge until reaching an approximate thickness of about 0.5 mm (0.020 in).
3. When *Argacem Ultrafine* is still plastic and workable, finish with a smooth stainless steel trowel.

DRYING TIME

At +23°C/73°F and 50% relative humidity, the product dries in 5 - 7 days.

- Drying time is influenced by environmental relative humidity and by temperature and it may significantly change.

- Do not apply at environmental temperature and at support temperature lower than +5°C (+41°F) and higher than +30°C (+86°F).
- After application, protect the product for 48 hours from rain, frost and from fast evaporation produced by sun or strong ventilation.
- In case of warm and ventilated climates within 24 hours from the application of the material, wet the product surface with water spray 2 times a day for 2 - 3 days.

Argacem Ultrafine can be painted with breathable and water-repellent finishes (such *Diathonite Cork Render*, *C.W.C. Stop Condense* o *Limepaint*). Not to compromise the breathability of the product, do not use no breathable coatings.

SUGGESTIONS

- Do not apply at environmental temperature and at support temperature lower than +5°C (41°F) and higher than +35°C (95°F).
- Apply *Argacem Ultrafine* at least 24 hours after applying the last coat of *Argacem HP*, *Argatherm* o *Argacem CP* smoother.
- Do not apply on gypsum, painted or treated with waterproofing substrates, on wooden, metal or plastic elements.
- Before applying the product, it is advisable to cover thresholds, fixtures and any elements that should not be covered.

CLEANING

Wash tools with water before the product hardens.

SAFETY

While handling, always respect the instructions described in safety data sheet. Always use protective gloves and anti-dust mask.

Smoothers - mortars

